

# Rietschle



# VACSAFE

The Package Tester

## Leakage Rate Inspection Under Vacuum

### Leakage rate inspection without damage

Inspect the leak rate of your packaging under vacuum! With VACSAFE a leaking package will be detected due to air bubbles in a water bath. Consequently the packaging and the created welding seam will be leak rate inspected without any damage.

### Simple and quick inspection

The packaging to be inspected is placed in a water bath in a vacuum chamber made of Perspex. The air above the water bath will be sucked out by the integrated vacuum pump. The air pressure in the inspection chamber is decreasing. As soon as the pressure in the chamber is less than the pressure in the packaging, air bubbles will show where the leaking points are. So the leaking points can be located easily.

### Large variety of possible uses

Generally the VACSAFE is suitable for inspection of packaging which will not be damaged by immersion in a water bath. Those are mainly plastic packaging, for example vacuum packaging also modified atmosphere packaging versions, sealed shells and

beakers, as well as blister packaging. Additionally the burst pressure of seal seams can be investigated. This is especially interesting for re-closeable seal seams (peel fasteners).

### Safety and quality

Produce your own quality standard. By using random sample testing in your production to obtain a reliable quality overview. In case of claims from your customer you can prove your quality by referring back to the leak rate data. Your regular quality inspections can also be used as an additional sales feature to your customers.

### Well-tried technology

The vacuum chamber is manufactured out of solid Perspex sheets and glued so it is vacuum tight. The cover of the chamber can comfortably be opened and closed by gas pressure cylinders. The inspection chamber is fitted on a robust frame made of stainless steel with integrated vacuum pump (air-cooled) connected by a flexible pipe. The vacuum pump will be protected by an integrated water separator. The system is movable on

plastic rollers and so usable for mobile operation in production and laboratory.

### Ease of operation

The system is designed to be used as simply as possible. The operation switches are fitted outside of the housing in a clear arrangement. The evacuation is only able to start when the cover of the chamber is closed and thus the safety end switch is activated. The vacuum level is adjustable with the help of a digital vacuum display. The functions of the switches "evacuation" and "vent" are controlled by an electronic vacuum switch and solenoid valves.

The VACSAFE is available in three versions:

#### Manual:

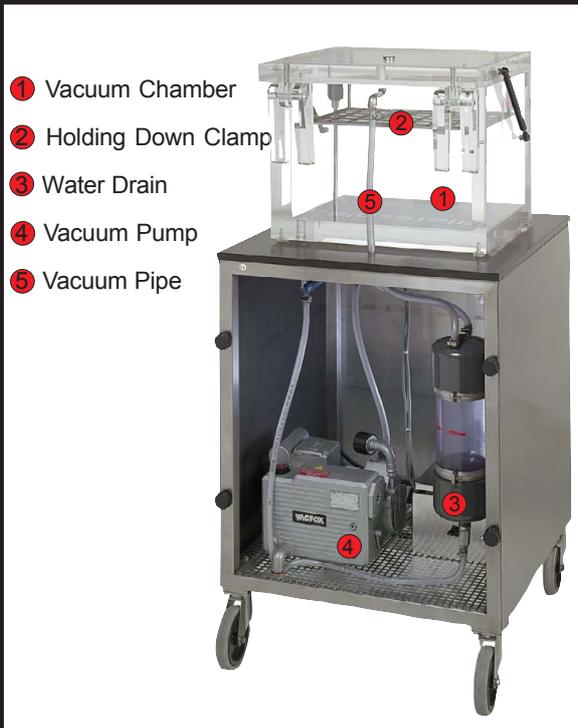
for individual manual operation,

#### Automatic:

for automatic operation,

#### Programmable:

for programmable operation if several packages are to be inspected using the same parameters.



- ① Vacuum Chamber
- ② Holding Down Clamp
- ③ Water Drain
- ④ Vacuum Pump
- ⑤ Vacuum Pipe

Technical Data	VACSAFE
Dimensions	600 x 600 x 1250 mm
Weight (empty)	120 kg
Current	N/PE 230 V, 50 Hz, 600 W
Power Consumption	0,6 kW
Pump	15 m <sup>3</sup> /h
Ambient Temperature	10 - 35° C
Water Fill	ca. 26 l
Test Range	Packages up to 6 l
Package Pressure max	1200 mbar (abs)
Package Pressure min	20 mbar (abs)

Interested in Rietschle products for package testing?

Our engineers will be pleased to take your phone call.

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